CLAIMS

We claim:

1. A black hole flight simulator comprising:

a memory for storing information for generating a relativistically correct scene depicting a visual experience selected from the group consisting of: a view of a black hole from outside the black hole; a view from the inside of a black hole; a view as a black hole is being entered; a view as a black hole is being exited; and a view from a wormhole or white hole or other piece of spacetime that may be attached to a black hole;

a processor communicating with said memory for generating electronic signals representing said scene; and

a display communicating with said processor for displaying said scene.

2. A black hole flight simulator in as in claim 1 wherein said information comprises information suitable for generating said view from a plurality of simulated positions and said simulator further includes an input device for changing said simulated position.

3. A black hole flight simulator as in claim 1 wherein said information includes information for calculating said view with different fields of view and said simulator further includes an input device for changing said field of view.

4. A black hole flight simulator as in claim 1 wherein said information includes information for calculating said view in different directions and said simulator further includes an input device for changing said direction of view.

5. A product that provides black hole flight simulator, said product comprising:

instructions for directing a processor to generate electronic signals representing a relativistically correct scene depicting a visual experience selected from the group consisting of: a view of a black hole from outside the black hole; a view from the inside of a black hole; a view as a black hole is being entered; a view as a black hole is being exited; and a view from a wormhole or white hole or other piece of spacetime that may be attached to a black hole; and

a media readable by said processing unit that stores said instructions.

6. A method of stimulating a black hole, said method comprising:

generating electronic signals representing a relativistically correct scene depicting a visual experience selected from the group consisting of: a view of a black hole from outside the black hole; a view from the inside of a black hole; a view as a black hole is being entered; a view as a black hole is being exited; and a view from a wormhole or white hole or other piece of spacetime that may be attached to a black hole;

directing said signals to a display; and

displaying said scene.

7. A method as in claim 6 wherein said directing comprises transferring said scene to a film and projecting said scene utilizing said film to create said display of said scene.

8. A method as in claim 7 wherein said transferring comprises an animation process.

9. A method as in claim 6 wherein said directing comprises utilizing either a wired or wireless connection.